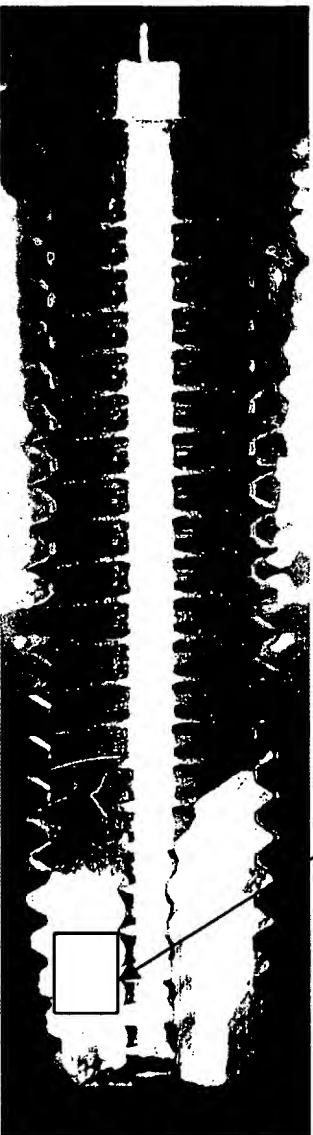


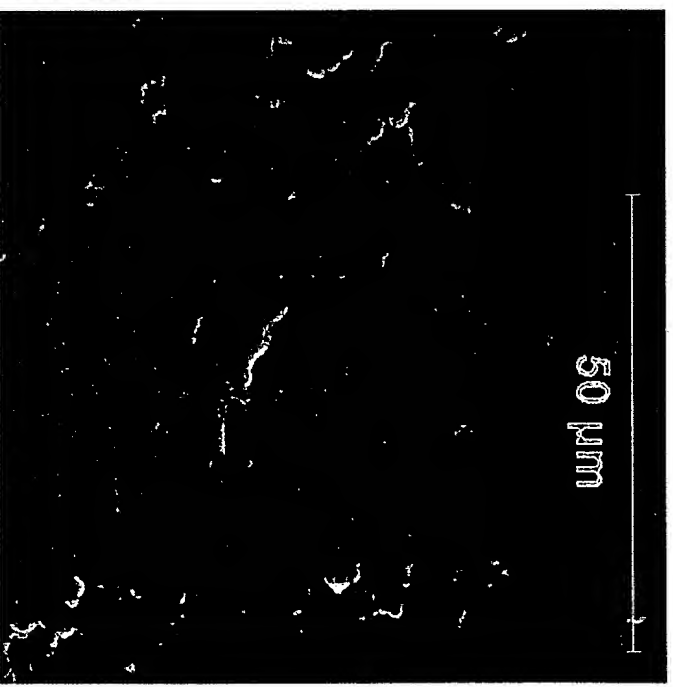
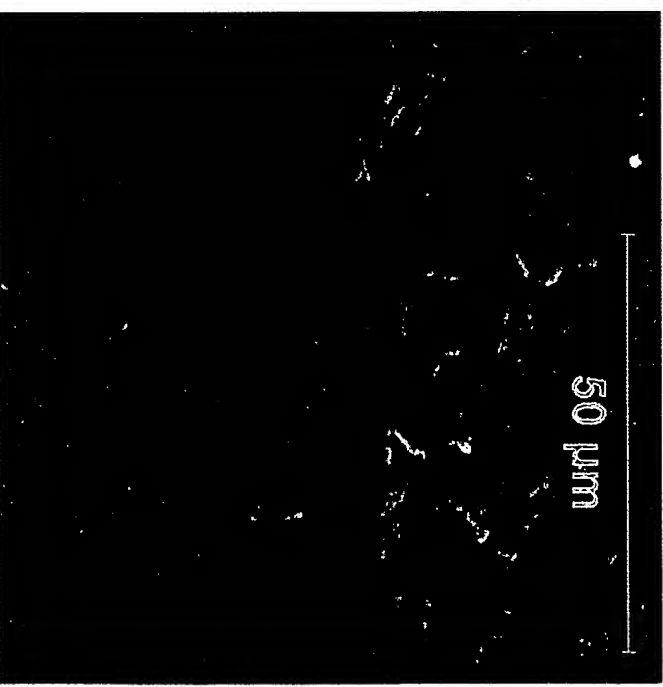
Test Sample # 1

Before Etching

Area of Interest



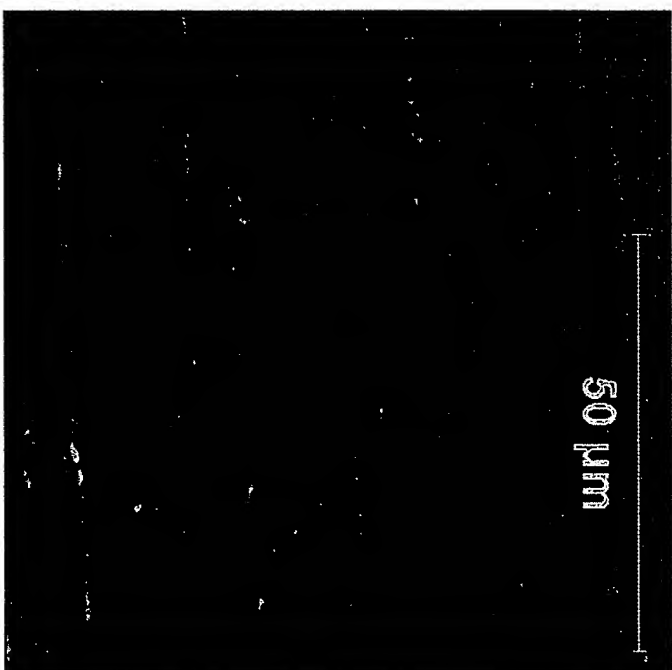
After Etching



Test Sample # 2

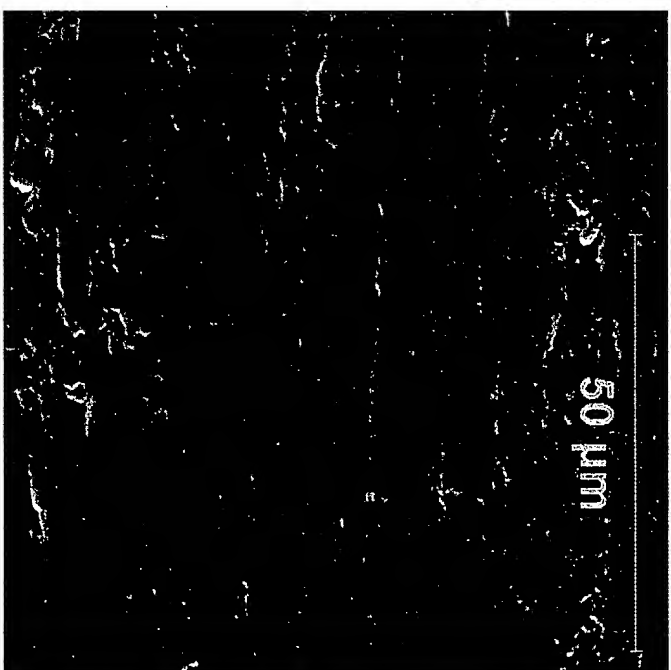
Before Etching

Area of Interest



50  $\mu\text{m}$

After Etching

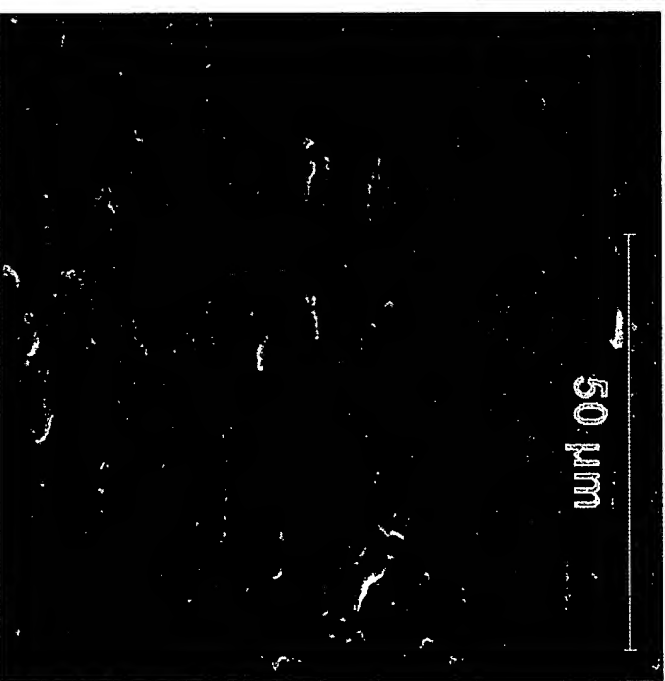
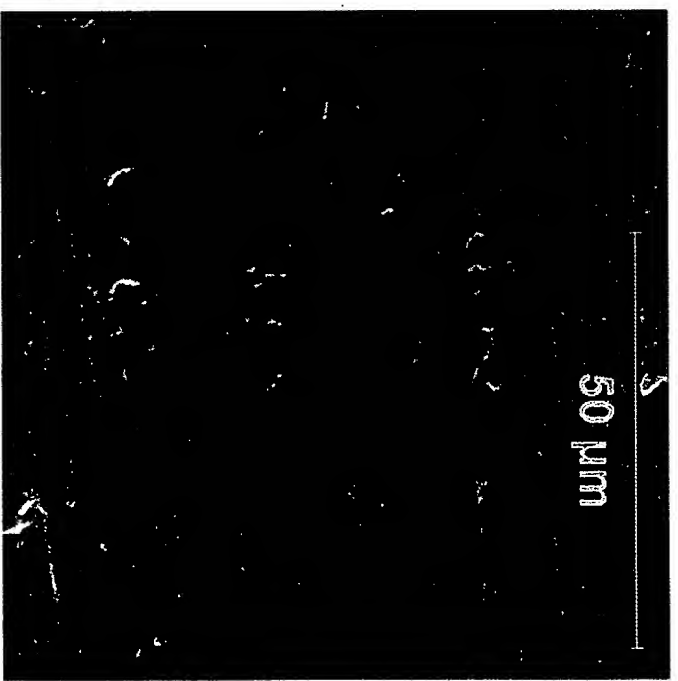


50  $\mu\text{m}$

Test Sample # 3

Before Etching

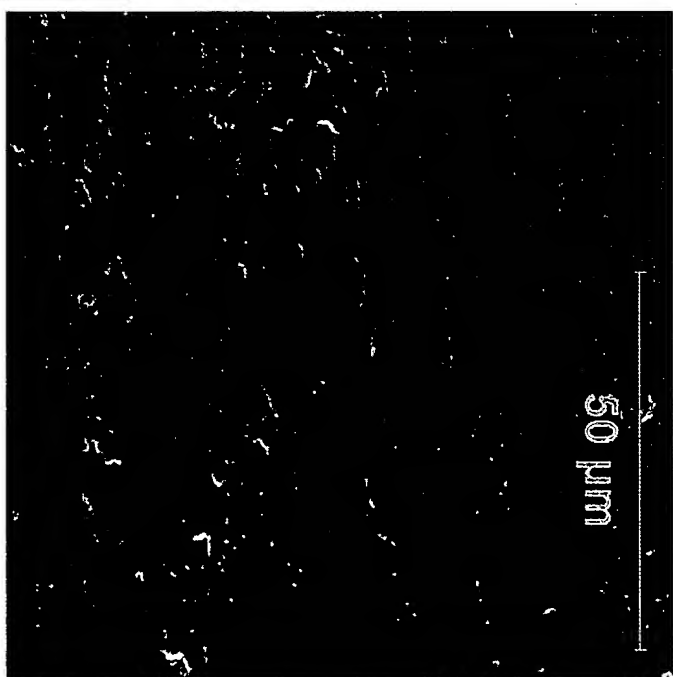
Area of Interest



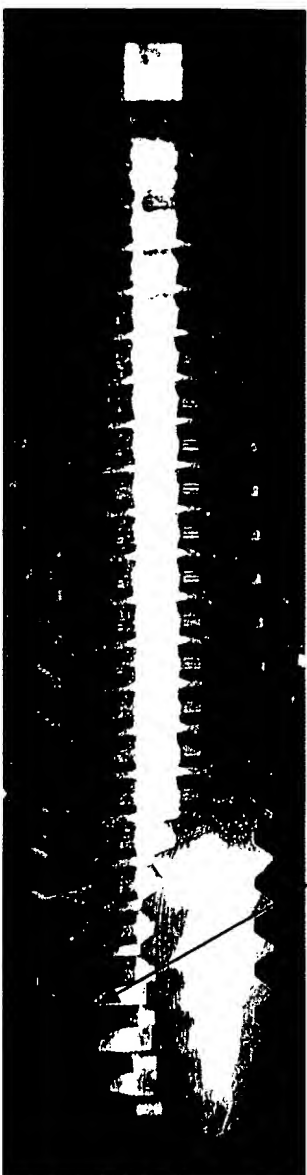
After Etching

Test Sample # 4

Before Etching



Area of Interest



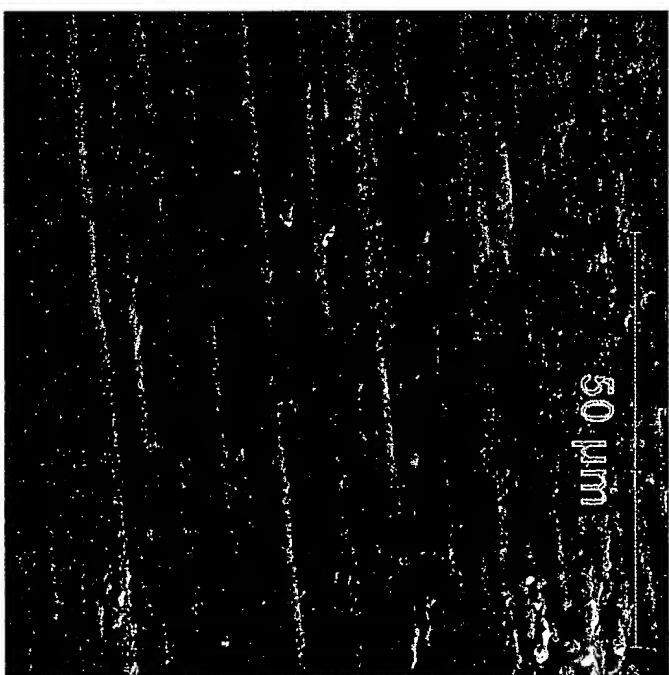
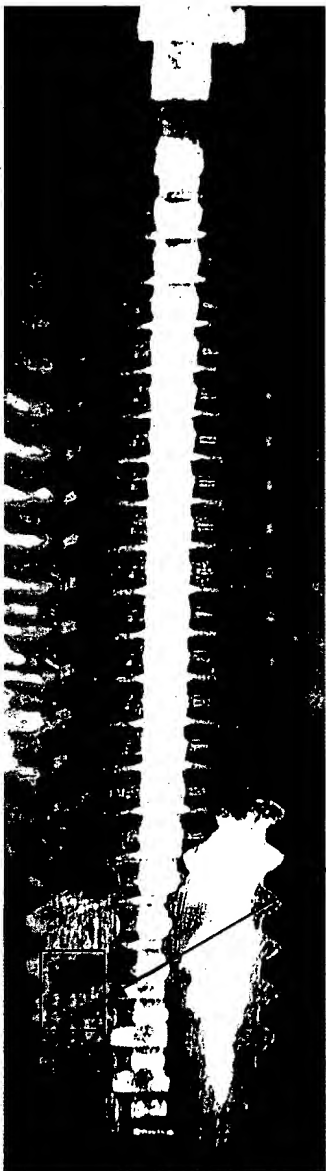
After Etching



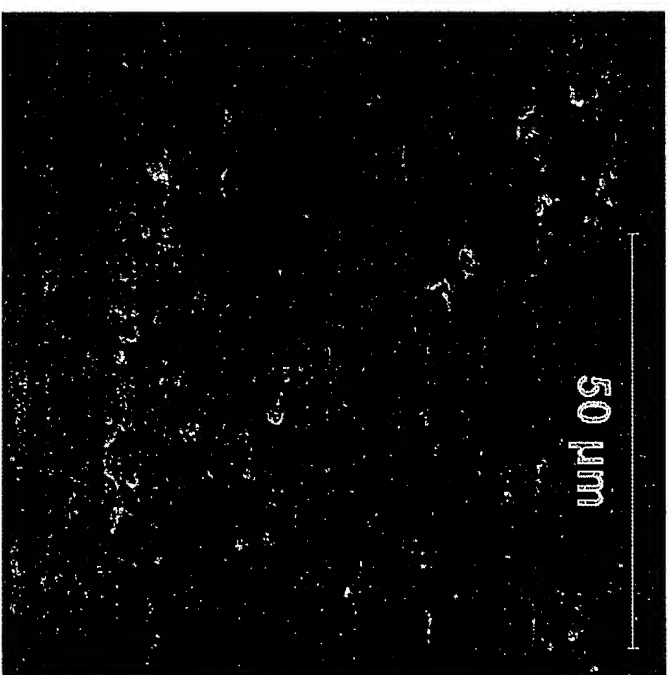
Test Sample # 5

Before Etching

Area of Interest



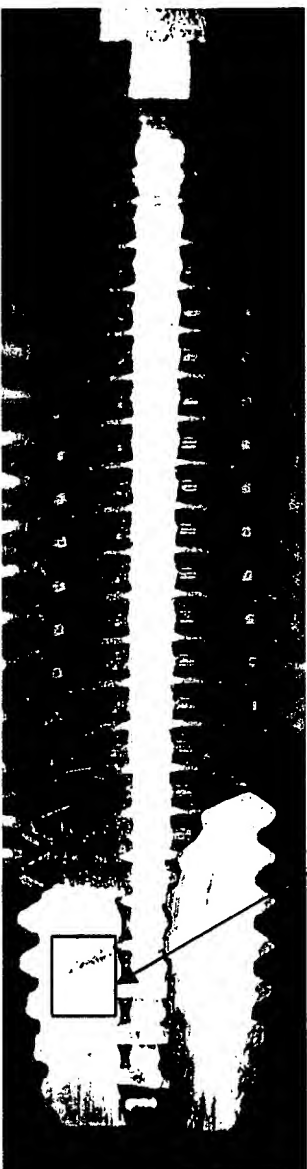
After Etching



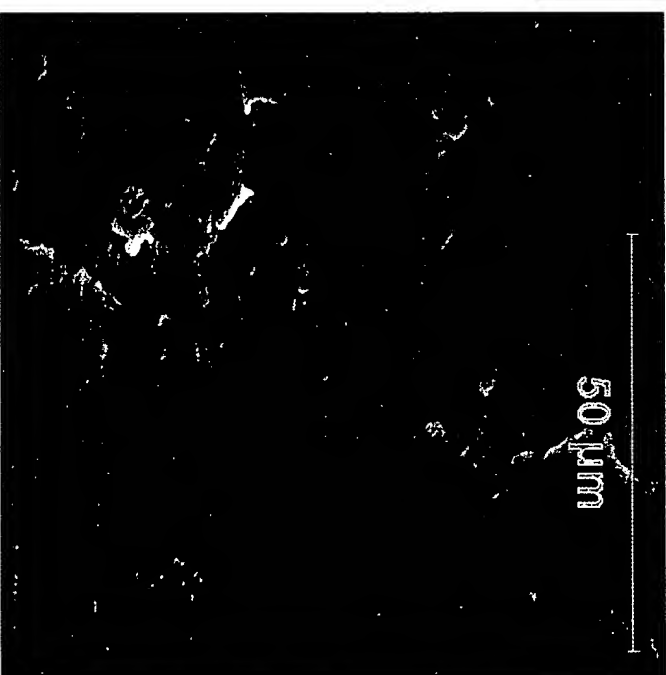
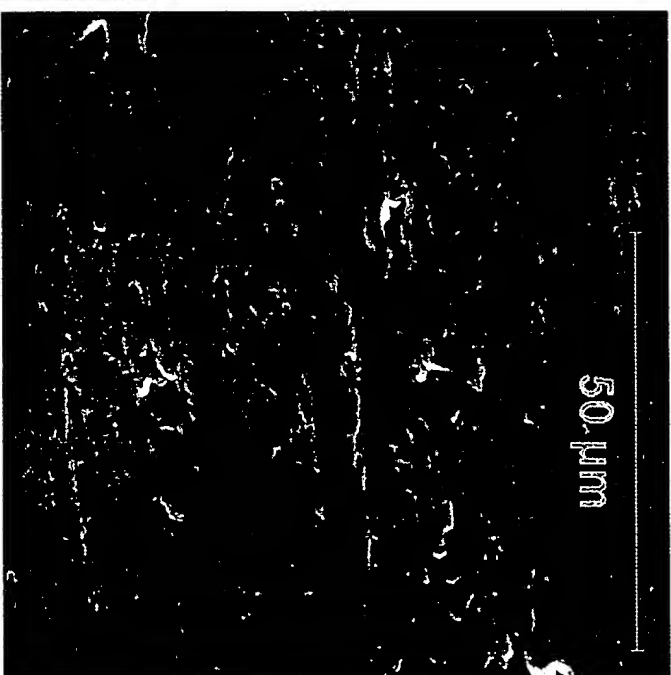
Test Sample # 6

Before Etching

Area of Interest



After Etching



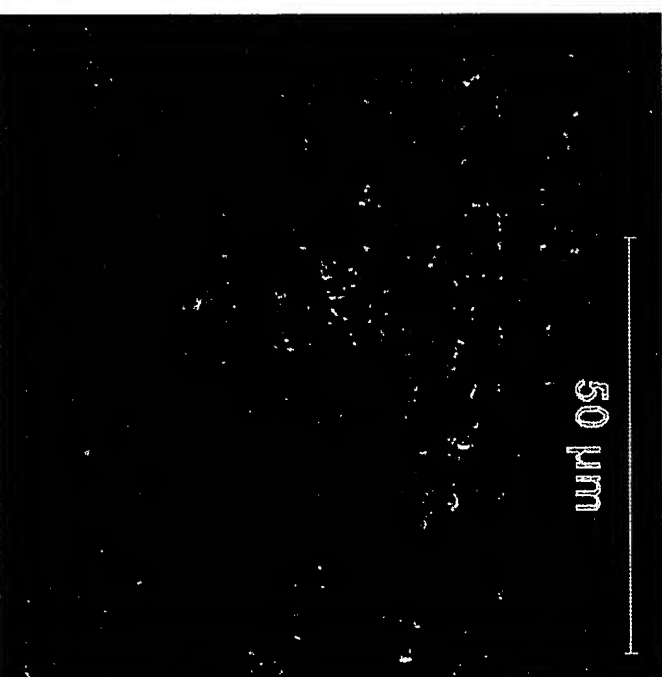
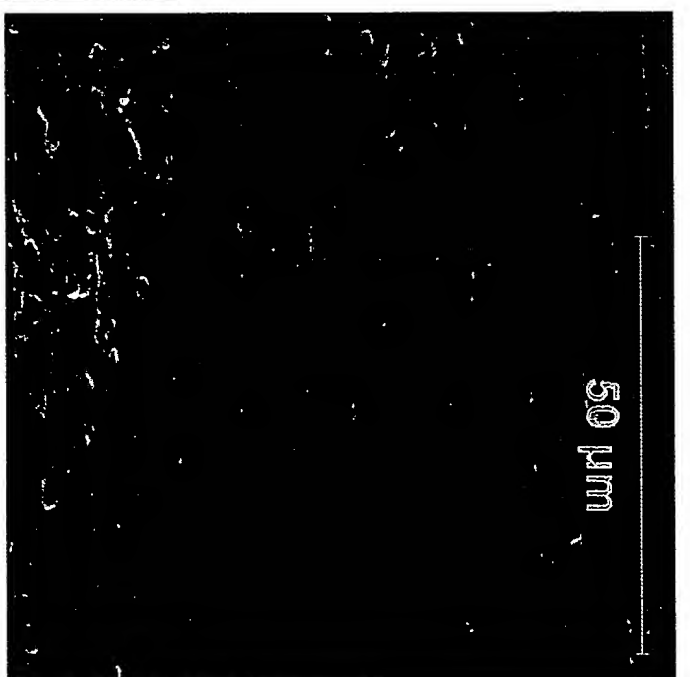
Test Sample # 7

Before Etching

Area of Interest



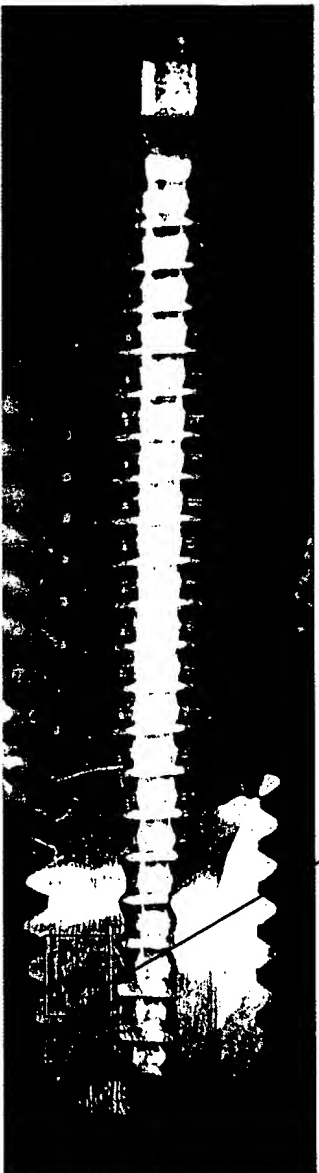
After Etching



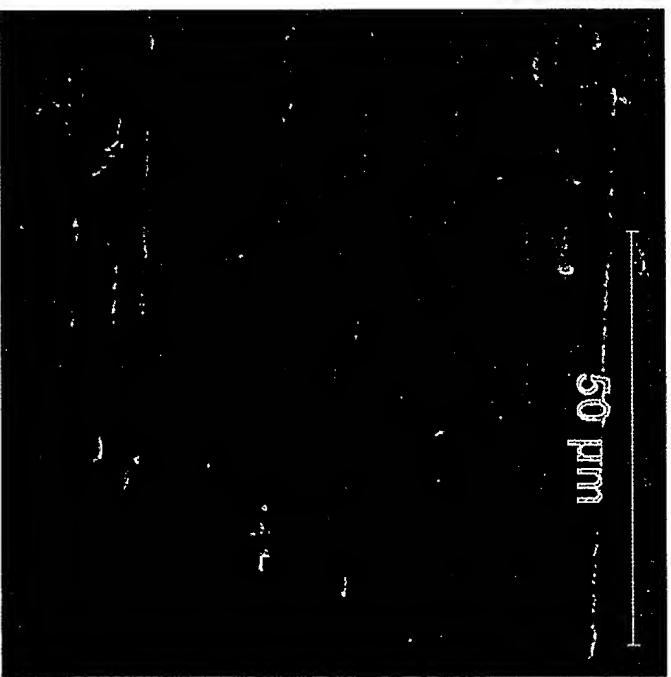
Test Sample # 8

Before Etching

Area of Interest



After Etching





**Table D: Results Of Etching Grit-Blasted Surface with Various Mineral Acids**

<b>Test Sample No.</b>	<b>Etching Conditions</b>	<b>Grit-Blasted Surface Area Before Etching (μm<sup>2</sup>)</b>	<b>Surface Area After Etching (μm<sup>2</sup>)</b>
1	70% Nitric Acid, 5 min. at 24°C	29509.84	32666.07
2	85% Phosphoric Acid, 5 min. at 24°C	38307.96	29186.49
3	96% Sulfuric Acid, 5 min. at 24°C	30936.96	26998.21
4	49% Hydrofluoric Acid, 5 min. at 24°C	33771.91	22157.74
5	37% Hydrochloric Acid, 5 min. at 24°C	35737.09	37123.01
6	70% Nitric Acid, 5 min. at 50-55°C	36612.49	38678.22
7	85% Phosphoric Acid, 5 min. at 50-55°C	31222.55	32272.19
8	96% Sulfuric Acid, 5 min. at 50-55°C	34272.34	35174.25